

**Table ESTM 12**  
**Channel Liner Repair - 29th St. to Rosemary**  
**(Liner in Channel Bottom)**

Item No.	Description	Unit	Quantity	Unit Price	Cost, \$
1	Mobilization	LS	1	10,000	10,000
2	Fill Channel Bottom (A)	CY	2,400	10	24,000
3	Remove Concrete Slope Paving (B)	SY	1,000	10	10,000
4	Concrete Side Slope Paving (B)	SY	1,000	50	50,000
5	Concrete Bottom Liner ( C)	SY	3,500	40	140,000
6	Riprap (18" Thick) (D)	SY	200	35	7,000
7	Miscellaneous Items	LS	1	10,000	10,000
	Subtotal				251,000
	Contingency	20%			50,200
	Total				301,200

**Repair Description:**

Channel - Burton Creek

Location - From 150' upstream of 29th Street to approximately 150' upstream of Rosemary Drive.

Length of channel segment to be repaired is approximately 1,050 LF.

**Notes:**

A. Place fill in channel bottom to replace eroded material.

Assume an average of 2 feet deep, for a total of 2,340 CY of fill.

B. Assume that approximately 20% of the concrete side slope liner has moved sufficiently to require replacement.

Area: 2.25 SY/LF of bank x 1,050 LF x 2 x 20% = 945 SY.

C. Bottom Liner - 30' wide x 1,050' long = 3,500 SY.

D. Install 20 LF of 18" thick riprap mat upstream of the concrete channel liner for erosion protection. Actual length and thickness to be determined during design.